MX-D830D
MX-D870D

DVD MINI COMPONENT SYSTEM

user manual

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Safety Information

Safety Warnings

TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE THE COVER(OR BACK). NO USER-SERVICEABLE PARTS ARE INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

This symbol indicates "dangerous voltage" inside the product that presents a risk of electric shock or personal injury.	**CAUTION** : TO PREVENT ELECTRIC SHOCK, MATCH WIDE BLADE OF PLUG TO WIDE SLOT, FULLY INSERT.	This symbol indicates important instructions accompanying the product.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING

- To reduce the risk of fire or electric shock, do not expose this appliance to rain or moisture.

CAUTION

- Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.
- The Mains plug is used as a disconnect device and shall stay readily operable at any time.
- This apparatus shall always be connected to a AC outlet with a protective grounding connection.
- To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

CLASS 1	**LASER PRODUCT**
KLASSE 1	**LASER PRODUKT**
LUOKAN 1	**LASER LAITE**
KLASS 1	**LASER APPARAT**
PRODUCTO	**LÁSER CLASE 1**

CLASS 1 LASER PRODUCT

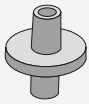
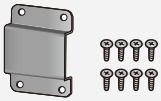
This Compact Disc player is classified as a CLASS 1 LASER product.

Use of controls, adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

CAUTION

- INVISIBLE LASER RADIATION WHEN OPEN AND INTERLOCKS DEFEATED, AVOID EXPOSURE TO BEAM.

WHAT'S INCLUDED (Check for the supplied accessories below.)

Video Cable	FM Antenna	User's Manual	Remote Control/ Batteries(optional)	AM Antenna (Optional)
				
Toroidal Ferrite core (1 EA) (For USB cable) (optional)	Spacers (8 EA) (MX-D870D only)	Back bracket 4 EA / Screws 16 EA (MX-D870D only)		

Safety Information

Cautions on Handling and Storing Discs

Small scratches on the disc may reduce sound and picture quality or cause skipping.

Be especially careful not to scratch discs when handling them.

Holding discs

- Do not touch the playback side of the disc.
- Hold the disc by the edges so that fingerprints will not get on the surface.
- Do not stick paper or tape on the disc.

Disc Storage

- Do not keep in direct sunlight
- Keep in a cool ventilated area
- Keep in a clean Protection jacket.

Store vertically.

NOTE

- Do not allow the discs to become contaminated with dirt.
- Do not load cracked or scratched discs.

Handling and Storing Discs

If you get fingerprints or dirt on the disc, clean it with a mild detergent diluted in water and wipe with a soft cloth.

- When cleaning, wipe gently from the inside to the outside of the disc

NOTE

- Condensation may form if warm air comes into contact with cold parts inside the product. When condensation forms inside the product, it may not operate correctly. If this occurs, remove the disc and let the product stand for 1 or 2 hours with the power on.

License

- ABOUT DIVX VIDEO: DivX® is a digital video format created by DivX, Inc. This is an official DivX Certified® device that plays DivX video. Visit www.divx.com for more information and software tools to convert your files into DivX video.
- ABOUT DIVX VIDEO-ON-DEMAND: This DivX Certified® device must be registered in order to play purchased DivX Video-on-Demand (VOD) movies. To obtain your registration code, locate the DivX VOD section in your device setup menu. Go to vod.divx.com for more information on how to complete your registration.
- "Pat. 7,295,673; 7,460,688; 7,519,274" DivX Certified® to play DivX ® video
- "DivX®, DivX Certified® and associated logos are trademarks of DivX, Inc. and are used under license."
- iPod is a trademark of Apple Inc., registered in the U.S. and other countries.

Copyright

© 2011 Samsung Electronics Co., Ltd. All rights reserved.

Copy Protection

- Many DVD discs are encoded with copy protection. Because of this, you should only connect your product directly to your TV, not to a VCR. Connecting to a VCR results in a distorted picture from copy-protected DVD discs.
- This product incorporates copyright protection technology that is protected by U.S. patents and other intellectual property rights. Use of this copyright protection technology must be authorized by Macrovision, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision. Reverse engineering or disassembly is prohibited.

- Figures and illustrations in this User Manual are provided for reference only and may differ from actual product appearance.
- An administration fee may be charged if either
  a. an engineer is called out at your request and there is no defect in the product (i.e. where you have failed to read this user manual)
  b. you bring the unit to a repair centre and there is no defect in the product (i.e. where you have failed to read this user manual).
- The amount of such administration charge will be advised to you before any work or home visit is carried out.

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Getting Started

Precautions

- Ensure that the AC power supply in your house complies with the identification sticker located on the back of your product.
- Install your product horizontally, on a suitable base (furniture), with enough space around it for ventilation (7.5~10cm).
- Do not place the product on amplifiers or other equipment which may become hot. Make sure the ventilation slots are not covered.
- Do not stack anything on top of the product.
- Before moving the product, ensure the Disc Insert Hole is empty.
- In order to disconnect the product completely from the power supply, remove the AC plug from the wall outlet, especially when left unused for a long period of time.
- During thunderstorms, disconnect the AC plug from the wall outlet. Voltage peaks due to lightning could damage the product.
- Do not expose the product to direct sunlight or other heat sources. This could lead to overheating and malfunction of the product.
- Protect the product from moisture, and excess heat or equipment creating strong magnetic or electric fields (i.e. speakers.).
- Disconnect the power cable from the AC supply if the product malfunctions. Your product is not intended for industrial use.
- Use of this product is for personal use only.
- Condensation may occur if your product or disc has been stored in cold temperatures. If transporting the product during the winter, wait approximately 2 hours until the product has reached room temperature before using.
- The batteries used with this product contain chemicals that are harmful to the environment. Do not dispose of batteries in the general household trash.

Icons that will be used in manual

Make sure to check the following terms before reading the user manual.

Icon	Term	Definition
DVD	DVD	This involves a function available with DVD-Video or DVD±R/±RW discs that have been recorded and finalised in Video Mode.
CD	CD	This involves a function available with a data CD (CD-DA, CD-R/-RW).
MP3	MP3	This involves a function available with CD-R/-RW discs.
JPEG	JPEG	This involves a function available with CD-R/-RW discs.
DivX	DivX	This involves a function available with MPEG4 discs. (DVD±R/±RW, CD-R/-RW)
!	CAUTION	This involves a case where a function does not operate or settings may be canceled.
✎	NOTE	This involves tips or instructions on the page that help each function operate.

Disc Types and Characteristics

Region Code

The product and the discs are coded by region. These regional codes must match in order for the disc to play. If the codes do not match, the disc will not play.

Disc Type	Region Code	Area
DVD-VIDEO	1	The U.S., U.S. territories and Canada
	2	Europe, Japan, the Middle East, Egypt, South Africa, Greenland
	3	Taiwan, Korea, the Philippines, Indonesia, Hong Kong
	4	Mexico, South America, Central America, Australia, New Zealand, Pacific Islands, Caribbean
	5	Russia, Eastern Europe, India, most of Africa, North Korea, Mongolia
	6	China

Disc types that can be played

Disc Types & Mark (Logo)	Recorded Signals	Disc Size	Max. Playing Time
DVD-VIDEO	VIDEO	12 cm	Approx. 240 min. (single-sided)
			Approx. 480 min. (double-sided)
		8 cm	Approx. 80 min. (single-sided)
			Approx. 160 min. (double-sided)
AUDIO-CD	AUDIO	12 cm	74 min.
		8 cm	20 min.
DivX	AUDIO + VIDEO	12 cm	–
		8 cm	–

Do not use the following types of disc!

- LD, CD-G, CD-I, CD-ROM, DVD-ROM and DVD-RAM discs cannot be played on this product. If such discs are played, a <WRONG DISC FORMAT> message appears on the TV screen.
- DVD discs purchased abroad may not play on this product. If such discs are played, a <Wrong Region. Please check Disc.> message appears on the TV screen.

Disc Types And Disc Format

This product does not support Secure (DRM) Media files.

CD-R Discs

- Some CD-R discs may not be playable depending on the disc recording device (CD-Recorder or PC) and the condition of the disc.
- Use a 650MB/74 minute CD-R disc. Do not use CD-R discs over 700MB/80 minutes as they may not be played back.
- Some CD-RW (Rewritable) media, may not be playable.
- Only CD-Rs that are properly "closed" can be fully played. If the session is closed but the disc is left open, you may not be able to fully play the disc.

CD-R MP3 Discs

- Only CD-R discs with MP3 files in ISO 9660 or Joliet format can be played.
- MP3 file names should contain no blank spaces or special characters (. / = +).
- Use discs recorded with a compression/ decompression data rate greater than 128Kbps.
- Only files with the ".mp3" and ".MP3" extensions can be played.
- Only a consecutively written multisession disc can be played. If there is a blank segment in the Multisession disc, the disc can be played only up to the blank segment.
- If the disc is not closed, it will take longer to begin playback and not all of the recorded files may be played.
- For files encoded in Variable Bit Rate (VBR) format, i.e. files encoded in both low bit rate and high bit rate (e.g., 32Kbps ~ 320Kbps), the sound may skip during playback.
- A maximum of 999 tracks can be played per CD.
- A maximum of 300 folders can be played per CD.

CD-R JPEG Discs

- Only files with the "jpg" extensions can be played.
- If the disc is not closed, it will take longer to start playing and not all of the recorded files may be played.
- Only CD-R discs with JPEG files in ISO 9660 or Joliet format can be played.
- JPEG file names should be 8 characters or less in length and contain no blank spaces or special characters (. / = +).
- Only a consecutively written multisession disc can be played. If there is a blank segment in the multisession disc, the disc can be played only up to the blank segment.
- A maximum of 999 images can be stored on a folder.
- When playing a Kodak/Fuji Picture CD, only the JPEG files in the picture folder can be played.
- Picture discs other than Kodak/Fuji Picture CDs may take longer to start playing or may not play at all.

DVD±R/±RW, CD-R/RW Discs

- Software updates for incompatible formats are not supported.
  (Example : QPEL, GMC, resolution higher than 800 x 600 pixels, etc.)
- If a DVD-R/-RW disc has not been recorded properly in DVD Video format, it will not be playable.

DivX (Digital internet video express)

DivX is a video file format developed by Microsoft and is based on MPEG4 compression technology to provide audio and video data over the Internet in real-time.

MPEG4 is used for video encoding and MP3 for audio encoding so that the users can watch a movie at near DVD-quality video and audio.

Supported Formats (DivX)

This product only supports the following media formats. If both video and audio formats are not supported, the user may experience problems such as broken images or no sound.

Supported Video Formats

Format	Supported Versions
AVI	DivX3.11~DivX5.1
WMV	V1/V2/V3/V7

Supported Audio Formats

Format	Bit Rate	Sampling Frequency
MP3	80~320kbps	44.1khz
WMA	56~128kbps	
AC3	128~384kbps	44.1/48khz

- Aspect Ratio : Although the default DivX resolution is 640x480 pixels, this product supports up to 720x480 pixels. TV screen resolutions higher than 800 will not be supported.
- When you play a disc whose sampling frequency is higher than 48khz or 320kbps, you may experience shaking on the screen during playback.
- Sections with a high frame rate might not be played while playing a DivX file.
- Since this product only provides encoding formats authorized by DivX Networks, Inc., a DivX file created by the user might not play.

USB Host Specification

USB Host Specification

- Supports USB 1.1 or USB 2.0 compliant devices.
- Supports devices connected using the USB A type cable.
- Supports UMS (USB Mass Storage Device) V1.0 compliant devices.
- Supports the device of which the connected drive is formatted in the FAT (FAT, FAT16, FAT32) file system.

Non-compliance

- Does not support a device that requires installing a separate driver on the PC (Windows).
- Does not support connection to a USB hub.
- A USB device that is connected using the USB extension cable may not be recognized.
- A USB device requiring a separate power source needs to be connected to the product with the separate power connection.

Operational Limitations

- If the connected device has multiple drives (or partitions) installed, only one drive (or partition) can be connected.
- A device supporting USB 1.1 alone may cause a difference in the picture quality, depending on the device.

USB Devices that can be used with the product

- USB Storage Device, MP3 Player, Digital Camera
- Removable HDD
  - Removable HDDs equipped with less than 160 Gbytes are supported. Removable HDDs equipped with 160Gbytes or more may not be recognized, depending on the device.
  - If the connected device does not work due to insufficient power supply, you can use a separate power cable to supply power so that it can work properly. The connector of the USB cable may differ, depending on the manufacturer of the USB device.
- USB card Reader: One slot USB card reader and Multi slot USB card reader.
  - The USB card reader may not be supported, depending on the manufacturer.
  - If you install multiple memory devices into a multi card reader, you may experience problems.

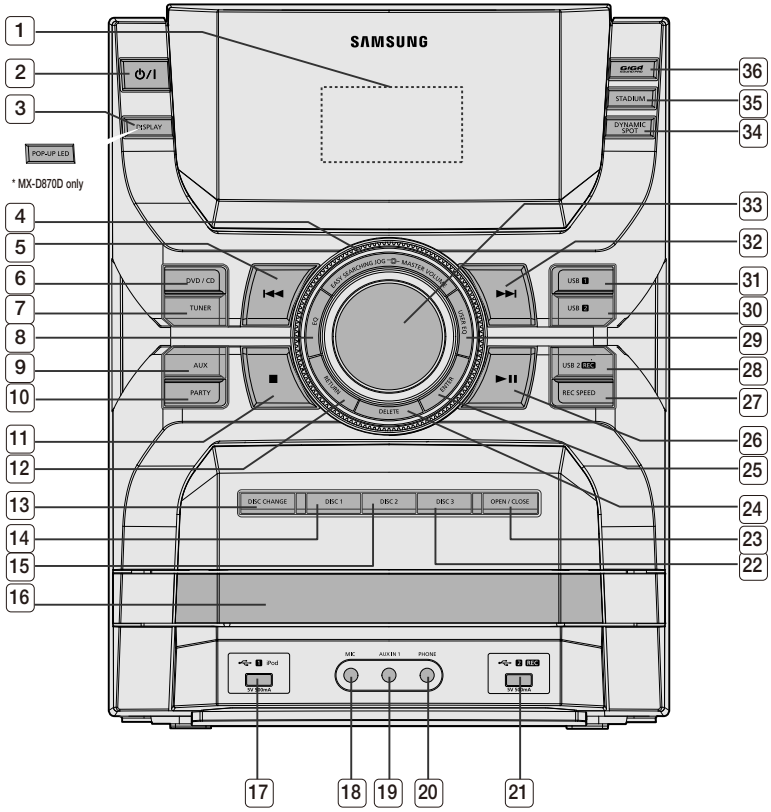
Supported file Formats

Format	Still Picture	Music		Movie	
File name	JPG	MP3	WMA	WMV	DivX
File extension	JPG .JPEG	.MP3	.WMA	.WMV	.AVI
Bit rate	–	80~320 kbps	56~128 kbps	4Mbps	4Mbps
Version	–	–	V8	V1,V2, V3,V7	DivX3.11~ DivX5.1
Pixel	640x480	–	–	720x480	
Sampling Frequency	–	44.1kHz	44.1kHz	44.1KHz~ 48KHz	

- CBI (Control/Bulk/Interrupt) is not supported.
- Digital Cameras that use PTP protocol or require additional program installation when connected to a PC are not supported.
- Some MP3 players, when connected to this product, may not operate depending on the sector size of their file system.
- The USB host function is not supported if a product that transfers media files by its manufacturer specific program is connected.
- Does not operate with Janus enabled MTP (Media Transfer Protocol) devices.
- The USB host function of this product does not support all USB devices.

Description

Front Panel

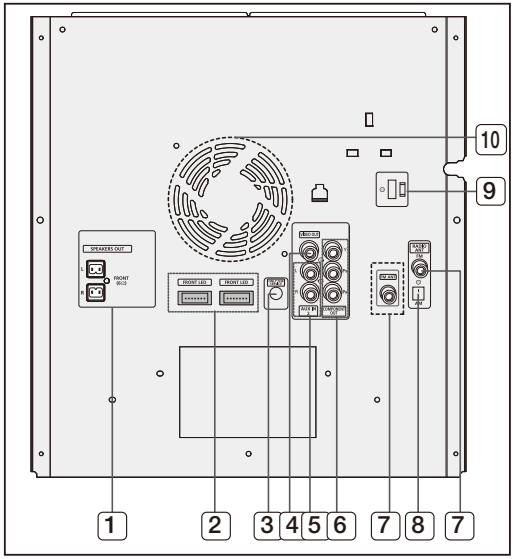


1. Window Display
2. POWER button
3. DISPLAY button (only for MX-D830D), POP-UP LED button (only for MX-D870D)
4. EASY SEARCHING JOG control
5. Search/Skip button
6. DVD/CD button
7. TUNER button
8. EQ button
9. AUX button
10. PARTY button
11. STOP/Tuning Mode button
12. RETURN button
13. DISC CHANGE button
14. DISC 1 button
15. DISC 2 button
16. Compact DISC Compartment
17. USB 1 jack (iPod optional)
18. MIC jack
19. AUX IN 1 jack
20. PHONE jack
21. USB 2 REC jack
22. DISC 3 button
23. OPEN/CLOSE button
24. DELETE button
25. ENTER button
26. PLAY/PAUSE button
27. REC SPEED button
28. USB 2 REC button
29. USER EQ button
30. USB 2 button
31. USB 1 button
32. Search/Skip button
33. MASTER VOLUME control
34. DYNAMIC SPOT button
35. STADIUM button
36. GIGA SOUND PRO button

✎ All those pictures of the Front panel are based on MODEL: MX-D830D.

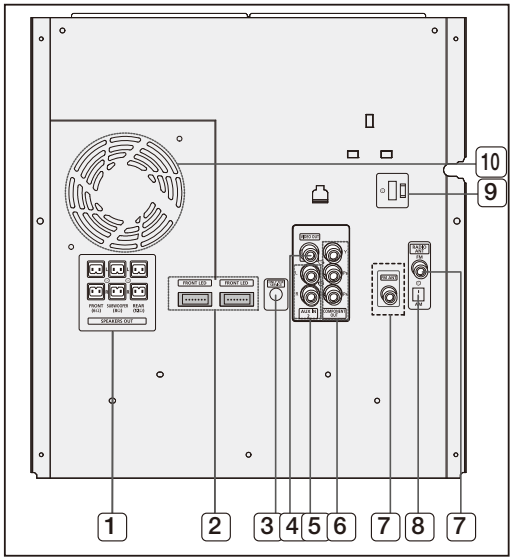
✎ This product may have not the iPod function depending on your region.

Rear Panel (MX-D830D)



1	**2.0 CH SPEAKER CONNECTOR TERMINALS** Connect the front speakers.
2	**LED TERMINALS OF THE FRONT SPEAKERS** Connect the LED cables of the Front Speakers to each LED Terminals of the system.
3	**ONLY FOR SERVICE** This jack is just for testing, please don't use it.
4	**VIDEO OUT JACK** Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT jack.
5	**AUX IN JACK** Connecting an External Component.
6	**COMPONENT VIDEO OUTPUT JACKS** Connect a TV with Component video inputs to these jacks.
7	**FM ANTENNA JACK** Connect the FM antenna.
8	**AM ANTENNA JACK (Optional)** Connect the AM antenna.
9	**Voltage Selector (Optional)** Check the position of the voltage selector on the rear of the system(optional).
10	**Cooling Fan** The fan always turns when the power is on. Ensure a minimum 10 cm of clear space on all sides of the fan when installing the product.

Rear Panel (MX-D870D)

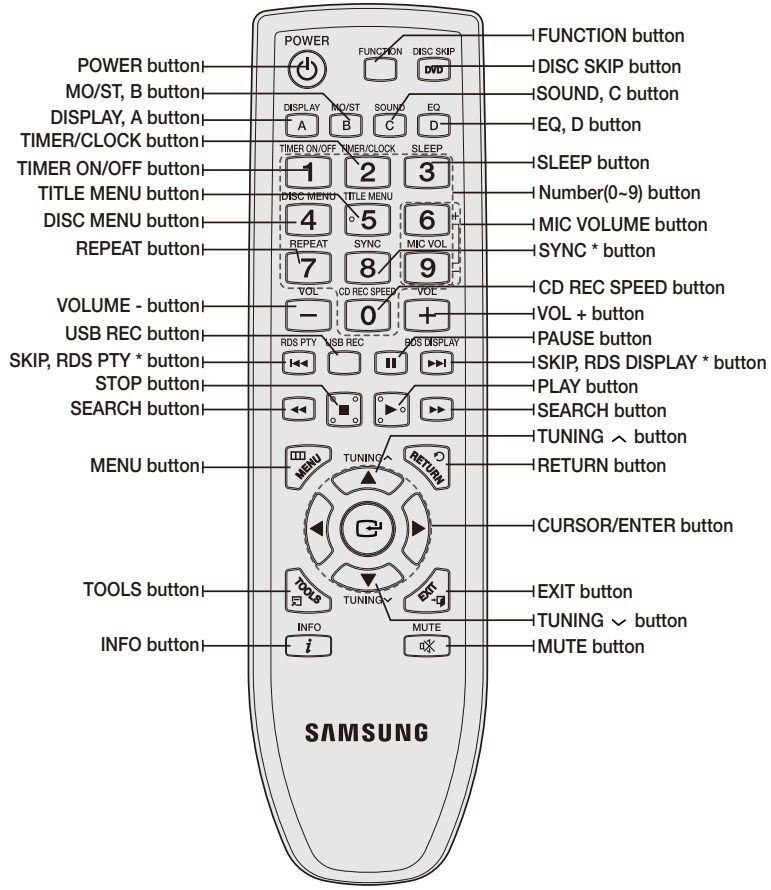


1	**4.2 CH SPEAKER CONNECTOR TERMINALS** Connect the front/rear speakers/subwoofer.
2	**LED TERMINALS OF THE FRONT SPEAKERS** Connect the LED cables of the Front Speakers to each LED Terminals of the system.
3	**ONLY FOR SERVICE** This jack is just for testing, please don't use it.
4	**VIDEO OUT JACK** Connect your TV's Video Input jack (VIDEO IN) to the VIDEO OUT jack.
5	**AUX IN JACK** Connecting an External Component.
6	**COMPONENT VIDEO OUTPUT JACKS** Connect a TV with Component video inputs to these jacks.
7	**FM ANTENNA JACK** Connect the FM antenna.
8	**AM ANTENNA JACK (Optional)** Connect the AM antenna.
9	**Voltage Selector (Optional)** Check the position of the voltage selector on the rear of the system(optional).
10	**Cooling Fan** The fan always turns when the power is on. Ensure a minimum 10 cm of clear space on all sides of the fan when installing the product.

NOTE

- All those pictures of the Rear panel are based on MODEL: MX-D830D(with AM Function)
- This product may not support the AM or the Voltage Selector function depending on your region.
- The position of FM antenna connector terminal may be diferrent depending on your region.

Tour of the Remote Control

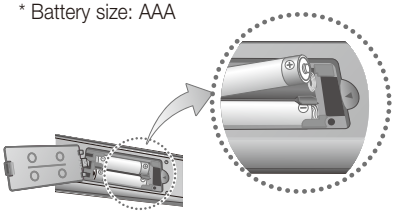


* This product is not used the **RDS PTY** and **RDS DISPLAY** function printed the ⏮, ⏭ button above.

* This product is not used the **SYNC** function printed the **8** button above.

Installing batteries in the Remote Control

* Battery size: AAA



NOTE

- Place batteries in the remote control so they match the polarity : (+) to (+) and (–) to (–).
- Always replace both batteries at the same time.
- Do not expose the batteries to heat or a flame.
- The remote control can be used up to approximately 23 feet (7 meters) in a straight line.

Connections

Where to Install Your Mini-Compact System

To take full advantage of your new mini-compact system, follow these installation instructions before connecting the unit.

- Install the system on a flat, stable surface.
- Never place this unit on carpeting.
- Never place this unit in an outdoor area.
- Maintain an open space of approximately 6 inches (15 cm) on the sides and rear of the system, for ventilation purposes.
- Make sure that you have enough room to open the compact disc compartment easily.
- Place the Speakers at a reasonable distance on either side of the system to ensure good stereo sound.
- Direct the Speakers towards the listening area.
- For optimum performance, make sure that both speakers are placed at an equal distance above the floor.

Connecting the Speakers

Before moving or installing the product, be sure to turn off the power and disconnect the power cord.

The Speakers connector terminals are located on the rear of the system.

- Left speaker (marked L)
- Right speaker (marked R)

1 To achieve the correct sound quality, connect those speaker connector cables to the speaker connector terminals of the system.

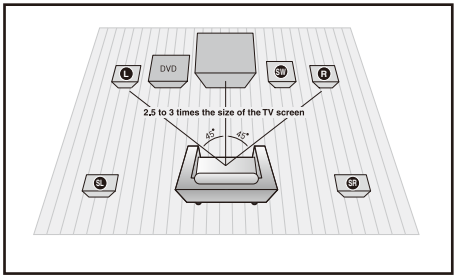
Position of the product

Place it on a stand or cabinet shelf, or under the TV stand.

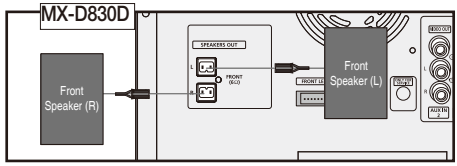
Selecting the Listening Position

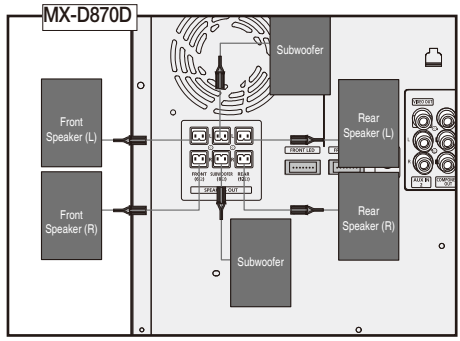
The listening position should be located about 2.5 to 3 times the distance of the TV's screen size away from the TV.

Example : For 32" TV's 6.56 ~ 7.87 feet (2~2.4 m)
For 55" TV's 11.5 ~ 13.1 feet (3.5~4 m)



Front Speakers L R	Place these speakers in front of your listening position, facing inwards (about 45°) toward you. Place the speakers so that their tweeters will be at the same height as your ear.
Subwoofer SW	The position of the subwoofer is not so critical. Place it anywhere you like.
Rear Speakers L R	Place these speakers to the side of your listening position. If there isn't enough room, place these speakers so they face each other. Place them about 60 to 90cm above your ear, facing slightly downwards. * Unlike the front speakers, the rear speakers are used mainly to produce sound effects, and sound will not come from them all the time.





! CAUTION

- Do not let children play with or near the speakers. They could get hurt if the speaker falls.
- When connecting the speaker wires to the speakers, make sure that the polarity (+/–) is correct.
- Keep the subwoofer out of the reach of children so as to prevent them from inserting their hands or alien substances into the duct (hole) of the subwoofer.
- Do not hang the subwoofer on the wall through the duct (hole).

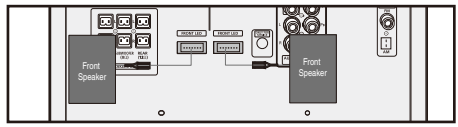
NOTE

- If you place a speaker near your TV set, screen color may be distorted because of the magnetic field generated by the speaker. If this occurs, place the speaker away from your TV set.

Connecting the Speakers

2 Connect the LED cables of the Front Speakers to each LED Terminals of the system.

- You can enjoy the special light effect on your speakers.

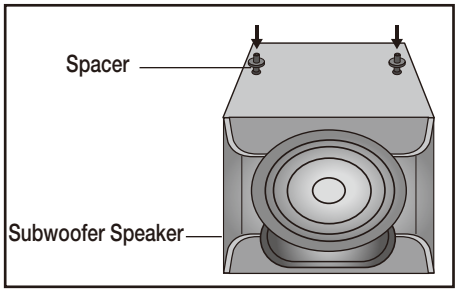


Connections

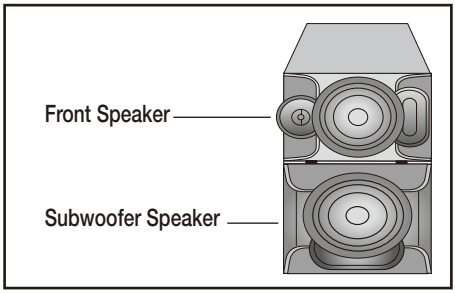
Stacking the Speakers (MX-D870D Only)

You can stack and install the speakers as described in the figure.

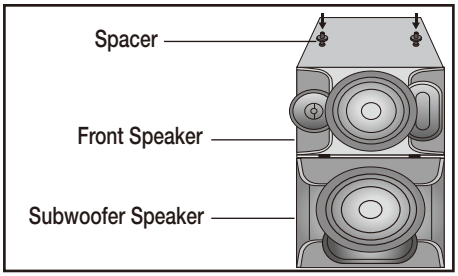
1. Insert 2 spacers into the holes of the Subwoofer (L) and fix them.



2. Stack the Front Speaker(L) on the Subwoofer(L).

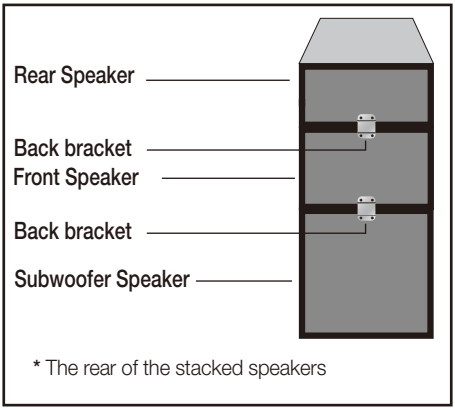


3. Insert 2 spacers into the holes of the Front Speaker(L) and fix them.

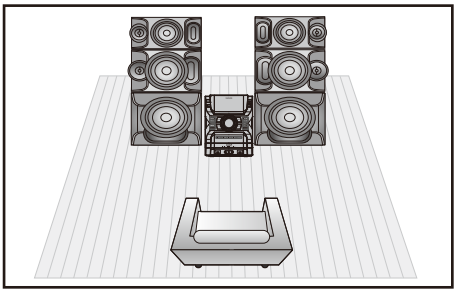


4. Stack the Rear Speaker(L) on the Front Speaker (L).

5. To fix the speakers securely, attach the back bracket on the rear of the Front speaker(L), Rear speakers (L) and Subwoofer speaker by fastening provided 8 screws.



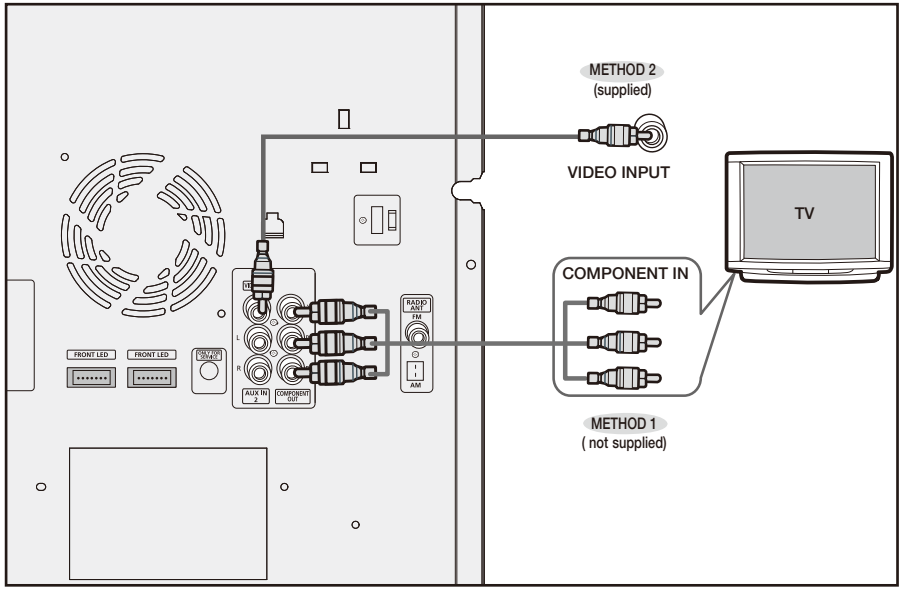
6. This is the completion of the speaker stack.



Connections

Connecting the Video Out to your TV

Choose one method for connecting to a TV.



METHOD 1 : Component Video (BETTER QUALITY)

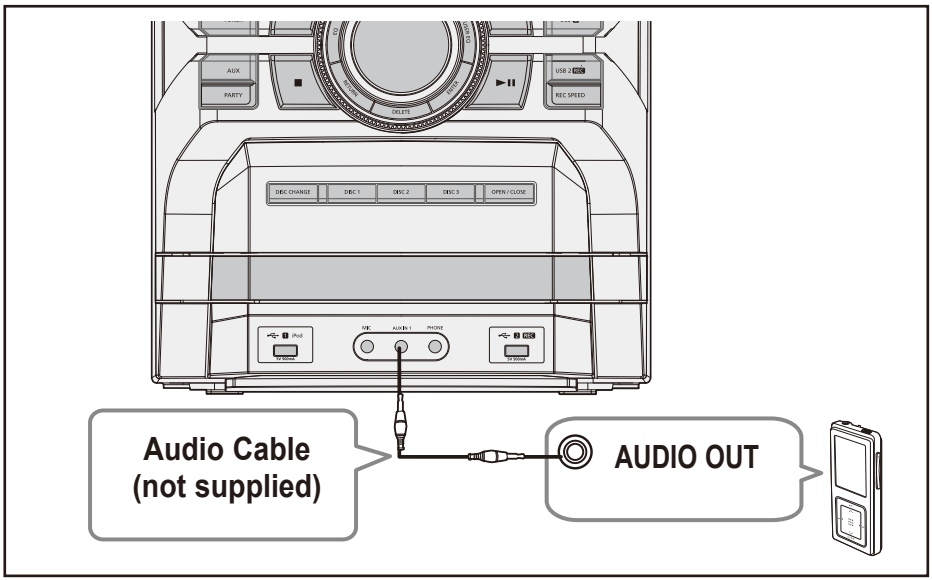
If your television is equipped with Component Video inputs, connect a Component video cable (not supplied) from the **COMPONENT OUT** (Pr, Pb and Y) Jacks on the back of the product to the Component Video Input Jacks on your TV.

METHOD 2 : Composite Video (GOOD QUALITY)

Connect the supplied Video cable from the **VIDEO OUT** jack on the back of the product to the VIDEO IN jack on your TV.

Connecting External Components

AUX IN 1: Connecting an External Component/MP3 player



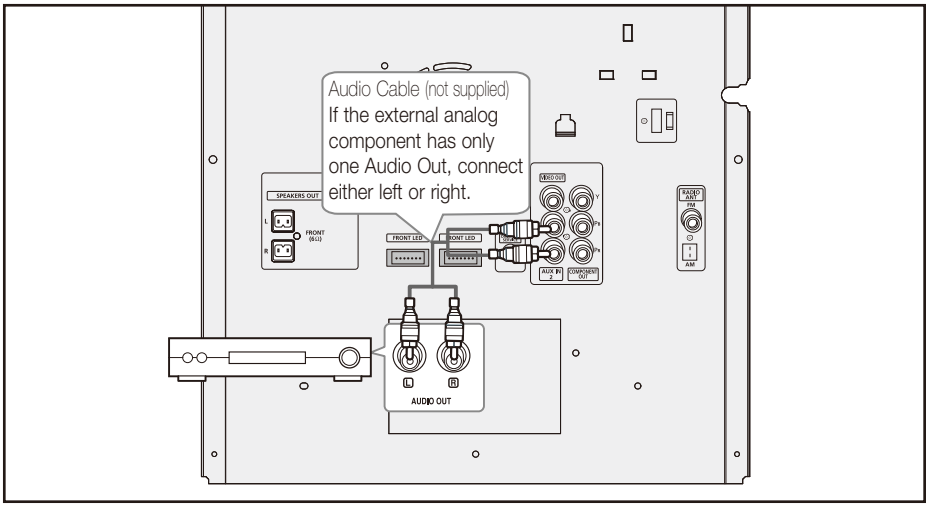
Components such as an MP3 Player.

1. Connect **AUX IN 1** (Audio) on the front of the product to the Audio Out of the external component/ MP3 player.

2. Press the **AUX** button to select **AUX 1** input.
   You can select AUX 1 by pressing the FUNCTION button on the remote control

Connecting External Components

AUX IN 2: Connecting an External Analog Component



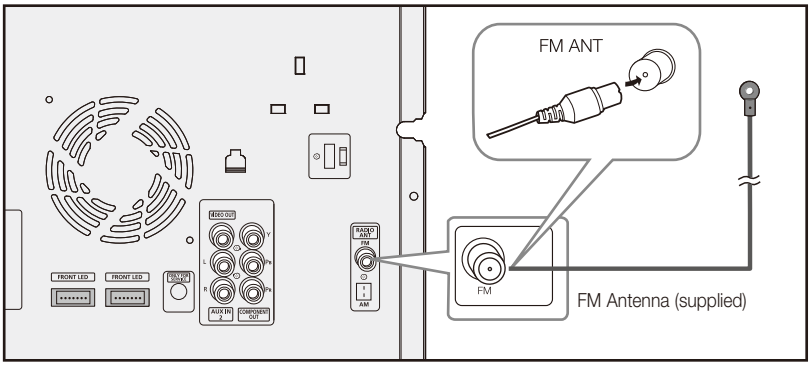
Analog signal components such as a VCR.

1. Connect AUX IN 2 (Audio) on the MINI COMPACT rear panel to the Audio Out of the external analog component.
   - Be sure to match connector colors.

2. Press the **AUX** button to select **AUX 2** input.
   You can select AUX 2 by pressing the FUNCTION button on the remote control.

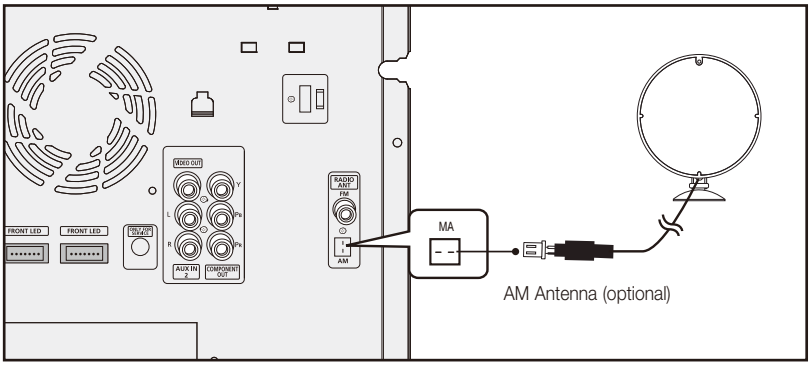
Connections

Connecting the FM Antenna



1. Connect the FM antenna supplied to the FM Antenna jack.
2. Slowly move the antenna wire around until you find a location where reception is good, then fasten it to a wall or other rigid surface.

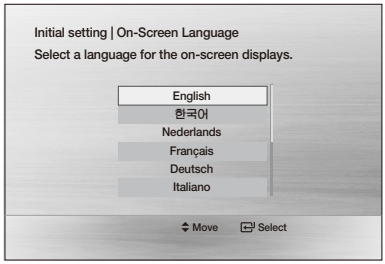
Connecting the AM Antenna (optional)



1. Plug the connector on the AM antenna supplied into the AM Terminal on the rear of the system.

Before Starting (Initial Setting)

1. Press the **POWER** button when it is plugged in TV for the first time.
   Initial Setting screen will be displayed.



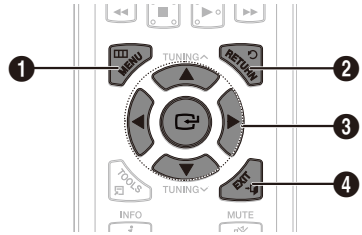
2. Press the ▲▼ buttons to select the desired language, then press the **ENTER** button.
3. Press the ▲▼ buttons to select desired TV Aspect, then press the **ENTER** button.

NOTE

- If you move to the previous screen, press and hold the **RED(A)** button.
- Once you select a menu language, you can change it by pressing the **STOP** (■) button on the front panel for more than 5 seconds with no disc.
- When the Initial Setting screen does not appear, refer to Initial Setting. (see page 20)

Setting the Setup menu

The access step may differ depending on the selected menu. The GUI (Graphical User Interface) in this manual may differ, depending on the firmware version.



❶	**MENU** BUTTON : Display the home menu.
❷	**RETURN** BUTTON : Return to the previous setup menu.
❸	**ENTER / DIRECTION** BUTTON Move the cursor and select an item. Select the currently selected item. Confirm the setting.
❹	**EXIT** BUTTON : Exit the setup menu.

1. In NO DISC mode, or during playback, press STOP button twice.
2. Press the ◄► buttons to select **Settings**, then press the **ENTER** button.
3. Press the ▲▼ buttons to select desired menu, then press the **ENTER** button.
4. Press the ▲▼ buttons to select desired sub-menu, then press the **ENTER** button.
5. Press the ▲▼ buttons to select desired item, then press the **ENTER** button.
6. Press the **EXIT** button to exit the setup menu.

Display

You can configure various display options such as the TV Aspect.

TV Aspect

Depending on the type of television you have, you may want to adjust the screen setting.

- 4:3 Pan-Scan

Select when you want to see the 16:9 video supplied by the DVD without the black bars on top and bottom, even though you have a TV with a 4:3 ratio screen(extreme left and right portion of the movie picture will be cut off).

- 4:3 Letter Box

Select when you want to see the total 16:9 ratio screen DVD supplies, even though you have a TV with a 4:3 ratio screen. Black bars will appear at the top and bottom of the screen.

- 16:9 Wide

You can view the full 16:9 picture on your widescreen TV.

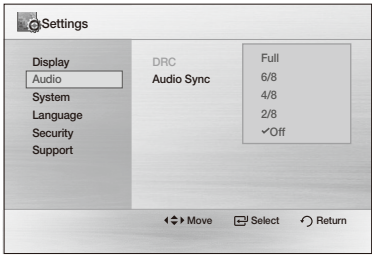
NOTE

- If a DVD is in the 4:3 ratio, you cannot view it in the wide screen.
- Since DVD discs are recorded in various image formats, they will look different depending on the software, the type of TV, and the TV aspect ratio setting.
- Depending on the type(NTSC or PAL) of main unit you have, the TV display picture may be different.

Audio

DRC (Dynamic Range Compression)

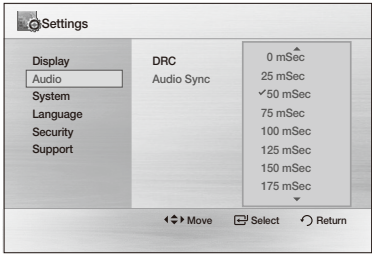
This feature balances the range between the loudest and quietest sounds. You can use this function to enjoy Dolby Digital sound when watching movies at low volume at night.



- You can select either Full, 6/8, 4/8, 2/8, Off.

AUDIO-SYNC

Video and audio sync may not match with digital TV. If this occurs, adjust the audio delay time to match the video



- You can set the audio delay time between 0 mSec and 300 mSec. Set it to the optimal status.

System

Initial Setting

By using the Initial Setting, you can set language and TV aspect setting.

DivX(R) Registration

View DivX(R) VOD Registration Code to purchase and play DivX(R) VOD content.

Language

You can select the language you prefer for on-screen menu, disc menu, etc.

OSD Language	Select the language for the on-screen displays.
Disc Menu	Select the language for the disc menu displays.
Audio	Select the language for disc audio.
Subtitle	Select the language for disc subtitles.

※ To select another language, select OTHERS of Disc Menu, Audio and Subtitle, and enter the language code of your country (see page 39).

※ You cannot select OTHERS in the OSD Language menu.

NOTE

- The selected language will only appear if it is supported on the disc.

Security

The Parental Lock function works in conjunction with DVDs that have been assigned a rating which helps you control the types of DVDs that your family watches. There are up to 8 rating levels on a disc.

Parental Rating

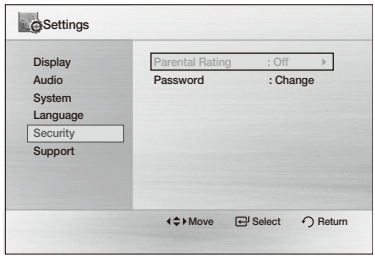
Select the rating level you want to set.
A larger number indicates that the program is intended for adult use only. For example, if you select up to Level 6, discs that contain Level 7, 8 will not play.

Enter the password and then press the **ENTER** button.

- The password is set to "0000" by default.
- Once the setup is complete, you will be taken to the previous screen.

Change Password

Select **Change** and enter the 4-digit password to set the parental lock using the number buttons on the remote control.



If you forgot your password

In "NO DISC" mode, press and hold the **STOP** (■) button on the front panel for 5 seconds or more. All settings will revert to the factory settings.

Support

Product Information

Provide contact information for assistance with your product.

Basic Functions

Disc Playback

1. Press the **OPEN/CLOSE** button.
2. Place a disc gently into the disc Compartment with the disc's label facing up.
3. Press the **OPEN/CLOSE** button to close the disc Compartment.

NOTE

- Resume function: When you stop disc play, the product remembers where you stopped, so when you press **PLAY** button again, it will pick up where you left off. (This function works only with DVDs.) Press the **STOP** button twice during playback to disable the Resume function.
- If no buttons are pressed on the product or remote control for more than 3 minutes when the product is in Pause mode, it will be changed to Resume stop mode. and after another 5 minutes in Resume stop mode, it will be changed to screen saver mode.
- The initial screen may appear different, depending on the content of the disc.
- Pirated discs will not run in this product because it violates the CSS (Content Scrambling System : a copy protection system) recommendations.
- DTS Audio is not supported.

※ ⊘ will appear when an invalid button is pressed.

Selecting a Disc in the Disc changer

To select a specific disc, press the **DISC SKIP** button on the remote control or **DISC CHANGE** button on the main unit, until the required disc indicator flashes.
Result: Each disc is selected.
or
Press the Disc 1, Disc 2, or Disc 3 button on the main unit to select a specific disc while the Compact Disc Compartment is closed.

TV Screen Saver/Power Saving Function

- If the product is left in the stop mode more than 5 minutes without any user interface, a screen saver will appear on your TV.
- If the product is left in the screen saver mode for more than 20 minutes, the power will automatically turn off.

Audio CD(CD-DA)/MP3/WMA Playback

1. Insert an Audio CD(CD-DA) or an MP3 Disc into the disc Compartment.
   - For an Audio CD, the first track will be played automatically.
     - Press the I◄◄ ►►I buttons to move to the previous/next track.
   - For the MP3/WMA disc, press the ◄► buttons to select **Music**, then press the **ENTER** button.
     - Press the ▲▼◄► buttons to select a desired file and press the **ENTER** button.
     - Press the I◄◄ ►►I buttons to move to the previous/next pages.
2. Press the **STOP** (■) button to stop playback.

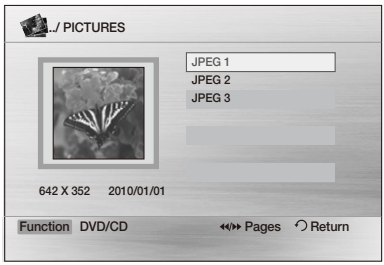
NOTE

- Some MP3/WMA-CDs may not play, depending on the recording mode.
- Table of contents of a MP3-CD varies depending on the MP3/WMA track format recorded on the disc.
- WMA-DRM files cannot be played.

JPEG File Playback

Images captured with a digital camera or camcorder, or JPEG files on a PC can be stored on a CD and then played back with this product.

1. Insert a JPEG disc on the disc Compartment.
2. Press the ◄,► buttons to select the **Photos**, and then press the **ENTER** button.
3. Press the ▲▼ buttons to select the folder you want to play, and then press the **ENTER** button.
4. Press the ▲▼ buttons to select the photo you want to play, and then press the **ENTER** button.
   - The selected file will play and slide show will start.
   - To stop slide show, press the **PAUSE** (**II**) button.
   - You can view the previous/next file by pressing the ◄,► buttons during the slideshow mode.



Rotate Function

JPEG

Press the **GREEN(B)** or **YELLOW(C)** button during the PAUSE mode.

- **GREEN(B)** Button: Rotate 90° Counterclock wise.
- **YELLOW(C)** Button: Rotate 90° Clockwise.

NOTE

- The maximum resolutions supported by this product are 5120 x 3480 (or 19.0 MPixel) for standard JPEG files and 2048 x 1536 (or 3.0 MPixel) for progressive image files.

Using the Playback Function

Forward/Reverse Search

DVD CD MP3 DivX

Press the ◄◄ ►► buttons for Search Function.

◄◄ ◄◄ 1 → ◄◄ 2 → ◄◄ 3 → ◄◄ 4
►► ►► 1 → ►► 2 → ►► 3 → ►► 4

NOTE

- No sound is heard during the fast playback (except MP3 x 1 and CD x 1).

Skipping Scenes/Songs

DVD CD MP3 DivX

Press the I◄◄ ►►I buttons.

- Each time the button is pressed during playback, the previous or next chapter, track or directory (file) will be played.
- You cannot skip chapters consecutively.
- You can use the **EASY SEARCHING JOG** control instead of the I◄◄ ►►I buttons.
  - For a CD disc, turn the **EASY SEARCHING JOG** control during playback to select the previous or next track, and then press **ENTER** button, the selection track will be played.
  - For a DVD, MP3 or DivX disc, each time you turn the **EASY SEARCHING JOG** control during playback the previous or next chapter, track or directory (file) will be played.

Slow Motion Play

DVD

Press the **PAUSE** (**II**) button and then ►► button for Slow Motion play.

DVD	I►1 →I►2 →I►3

NOTE

- No sound is heard during slow playback.
- Reverse slow playback does not work.

Step Motion Play

DVD DivX

Press the **PAUSE** button repeatedly.

- The picture moves forward one frame each time the button is pressed during playback.

NOTE

- No sound is heard during step motion playback.

5 Minute Skip function

DivX

During playback, press the ◄,► button.

- Playback skips 5 minutes forward whenever you press the ► button.
- Playback skips 5 minutes backward whenever you press the ◄ button.

NOTE

- You can operate this function only on the DivX.

Using the Disc Menu

DVD

You can view the menus for the audio language, subtitle language, profile, etc.

1. During playback, press and hold the **DISC MENU** button on the remote control.
2. Press the ▲▼◄► buttons to make the desired selection, then press the **ENTER** button.

NOTE

- Depending on the disc, menu setup items may vary and this menu may not be available.

Using the Title Menu

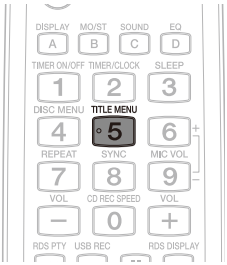
DVD

For DVDs containing multiple titles, you can view the title of each movie.

1. During playback, press and hold the **TITLE MENU** button on the remote control.
2. Press the ▲▼◄► buttons to make the desired selection, then press the **ENTER** button.

NOTE

- Depending on the disc, menu setup items may vary and this menu may not be available.



Repeat Playback

DVD CD MP3 DivX

DVD/DivX Repeat

You can repeat the title, chapter or the section(A-B Repeat) of the DVD/DivX.

1. During the DVD/DivX playback, press and hold the **REPEAT** button on the remote control.
2. Press the ▲▼ buttons to select a desired repeat mode, then press the **ENTER** button.
3. Press the ▲▼ buttons to select **Off** to return to normal play, then press the **ENTER** button.

DVD-VIDEO	Off → Title → Chapter → A- →All Discs
DivX	Off → Title → Folder → All →All Discs

CD/MP3 Repeat

1. During the CD/ MP3 playback, press the REPEAT button repeatedly to select the repeat mode you want.

CD	→ → → → → → (Normal → Repeat Track → Repeat Disc → Random → Repeat Section A-B → Repeat All Discs)
MP3	→ → → → → → (Normal → Repeat Track→ Repeat DIR → Repeat ALL→ Random → Repeat All Discs)

NOTE

- A MP3 disc can be played in Repeat All Discs mode. However, the operation is the same as in Repeat Off mode. This is because the Repeat All Discs mode operates based on the file. So when the last music file of the MP3 disc is played, the system returns to the Menu screen.
- In Repeat All Discs mode, disc playback will be as described below:
  1. If no DVD disc supports Disc Menu or Language selection menu, it repeats playing back all 3 discs automatically.
  2. If DVD disc supports Disc Menu or Language selection menu, it returns to the Disc Menu when finished to play the current disc and does not start playing the next disc.

A-B Repeat Playback

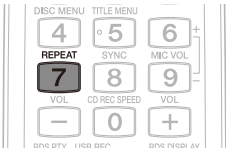
DVD CD

You can repeatedly play back a designated section of a DVD or CD.

1. During the DVD disc or CD playback, press and hold the **REPEAT** button on the remote control.
2. For DVD, press the ▲▼ buttons to select **A-**. For CD press and hold the **REPEAT** button repeatedly until A-B appears on the TV.
3. Press the **ENTER** button at the point where you want repeat play to start (A).
4. Press the **ENTER** button at the point where you want repeat play to stop (B).
5. To return to normal playback,
   For DVD, press and hold the **REPEAT** button to select to REPEAT OFF.
   For CD, press and hold the **REPEAT** button to select to .

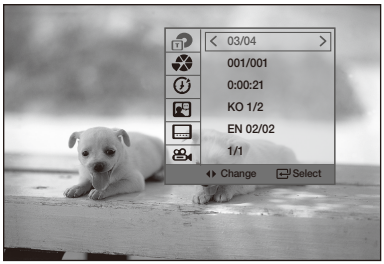
NOTE

- The A-B Repeat function does not operate with DivX, MP3 or JPEG discs.

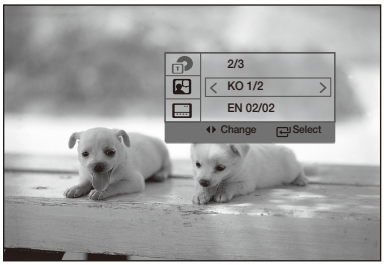


Displaying Disc Information

DVD



DivX



1. During the playback, press the **TOOLS** button on the remote control.
2. Press the ▲▼ buttons to select the desired item.
3. Press the ◄► buttons to make the desired setup change and then press the **ENTER** button.
   - You may use the number buttons of the remote control to control some item.
4. To make Disc information disappear, press the **TOOLS** button again.

✎ **NOTE**

- If you are playing contents from the tools menu, some functions may not be enabled depending on the disc.
- Some tools menu may differ depending on discs and files.

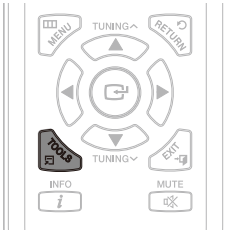
TOOLS menu

- **Title**( ) : To access the desired title when there is more than one in the disc. For example, if there is more than one movie on a DVD, each movie will be identified as a Title.
- **Chapter**( ) : Most DVD discs are recorded in chapters so that you can quickly find a specific chapter.
- **Playing time**( ) : Allows playback of the film from a desired time. You must enter the starting time as a reference. The time search function does not operate on some discs.
- **Audio**( ): Refers to the film's soundtrack language. A DVD Disc can contain up to 8 audio languages.
- **Subtitle**( ): Refers to the subtitle languages available in the disc. You will be able to choose the subtitle languages or, if you prefer, turn them off from the screen. A DVD Disc can contain up to 32 subtitle languages.
- **Angle**( ): When a DVD contains multiple angles of a particular scene, you can use the Angle function.

Selecting the Audio Language

DVD DivX

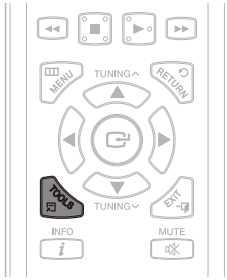
1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **AUDIO** ( ) display.
3. Press the ◄► buttons to select the desired audio language.
   - Depending on the number of languages on a DVD disc, a different audio language is selected each time the button is pressed.



Selecting the Subtitle Language

DVD DivX

1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select **SUBTITLE** ( ) display.
3. Press the ◄► buttons to select the desired subtitle language.
   - Depending on the number of languages on a DVD disc, a different subtitle language is selected each time the button is pressed.



NOTE

- Depending on the disc, the Subtitle and Audio Language functions may not be available.
- On the DivX fi le format, the subtitle languages may be represented by only numbers.

Caption Function

DivX

- You must have some experience with video extraction and editing in order to use this feature properly.

- To use the caption function, save the caption file (*.smi) in the same file name as that of the DivX media file (*.avi) within the same folder.
  Example. Root Samsung_007CD1.avi
  Samsung_007CD1.smi
- Up to 60 alphanumeric characters or 30 East Asian characters (2 byte characters such as Korean and Chinese) for the file name.
- The subtitle of DivX files are *.smi, *.sub, *.srt over 148 kbyte is not supported.

Angle Function

DVD

This function allows you to view the same scene in different angles.

1. Press the **TOOLS** button.
2. Press the ▲▼ buttons to select ANGLE ( ) display.
3. Press the ◄► buttons to select the desired angle.

NOTE

- The Angle function works only with discs on which multiple angles have been recorded.

Sound Mode

EQ

Your mini-compact system is equipped with a preset equalizer that allows you to choose the most appropriate balance between treble and bass frequencies, according to the type of music you are listening to.

1. Press the **EQ** button until the required option is selected.

Select...	To obtain a...
OFF	Normal balance (linear)
RANCHERA	Banlace suitable for Ranchera Music.
SAMBA	Banlace suitable for Samba Music.
CUMBIA	Banlace suitable for Cumbia Music.
HABANERA	Banlace suitable for Habanera Music.
BOOM BA	Banlace suitable for Boom Ba Music.
REGGAE	Balance suitable for Reggae Music
PARTY	Balance suitable for Party Music
POP	Balance suitable for Pop Music
HIP HOP	Balance suitable for Hip Hop Music
ROCK	Balance suitable for Rock Music
JAZZ	Balance suitable for Jazz Music
CLASSIC	Balance suitable for Classic Music
FLAT	Balance suitable for Flat Music
STADIUM EQ	Banlace suitable for Stadium EQ Music.
DYNAMIC.S	Banlace suitable for Dynamic Spot Music.
MP3 ENHANCER	Banlace suitable for MP3 Enhancer Music.
VIRTUAL SOUND	Banlace suitable for Virtual Sound Music.
U1 + 0 +0 +0	Banlace suitable for User EQ 1 mode Music.
U2 + 0 +0 +0	Banlace suitable for User EQ 2 mode Music.
U3 + 0 +0 +0	Banlace suitable for User EQ 3 mode Music.

2. Set the BASS (left numeric), MIDDLE (middle numeric), TREBLE (right numeric) level.

Press the **ENTER** button when you select the U1 + 0 +0 +0/U2 + 0 +0 +0/U3 + 0 +0 +0.
Result: The BASS level(left numeric) flash.
Press the **TUNING** ∧ or ∨ button to select from -06 to 06.
Press the **ENTER** button.
Result: The MIDDLE level(middle numeric) flash.
Press the **TUNING** ∧ or ∨ button to select from -06 to 06.
Press the **ENTER** button.
Result: The TREBLE level(right numeric) flash.
Press the **TUNING** ∧ or ∨ button to select from -06 to 06.
Press the **ENTER** button.
Result: setting is completed.

USER EQ

1. Press the **USER EQ** button until the required option is selected.

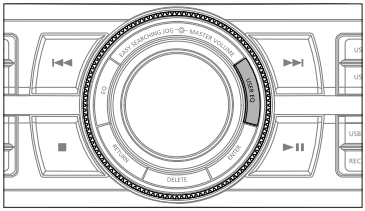
Select...	To obtain a...
U1 + 0 +0 +0	Banlace suitable for User EQ 1 mode Music.
U2 + 0 +0 +0	Banlace suitable for User EQ 2 mode Music.
U3 + 0 +0 +0	Banlace suitable for User EQ 3 mode Music.

2. Set the BASS (left numeric), MIDDLE (middle numeric), TREBLE (right numeric) level.

Press the **ENTER** button when you select the U1 + 0 +0 +0/U2 + 0 +0 +0/U3 + 0 +0 +0.
Result: The BASS level(left numeric) flash.
Press the **TUNING** ∧ or ∨ button to select from -06 to 06.
Press the **ENTER** button.
Result: The MIDDLE level(middle numeric) flash.
Press the **TUNING** ∧ or ∨ button to select from -06 to 06.
Press the **ENTER** button.
Result: The TREBLE level(right numeric) flash.
Press the **TUNING** ∧ or ∨ button to select from -06 to 06.
Press the **ENTER** button.
Result: finish setting.

NOTE

- When CD Recording, the EQ function can't work and the EQ automatically switches to "OFF" mode.
- This function is not available during playback of a DVD disc.
- If no buttons is pressed within 8 seconds, your settings will automatically be cancelled and the previous settings will be saved.
- You can use the ⏮ or ⏭ to instead of the **TUNING** ∧ or ∨ button to select the level.
- You can use the **EASY SEARCHING JOG** control instead of the **TUNING** ∧ or ∨ button to select the level.



Sound Mode

Stadium Mode

You can directly select the Stadium mode for your music listening.

1. Press the **STADIUM** button on the main unit.
   Each time you press this button, the mode will switch as following:
   STADIUM → OFF

DYNAMIC SPOT Mode

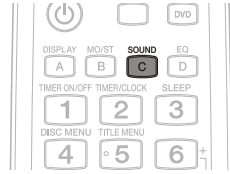
You can directly select the Dynamic spot mode for your listening music.

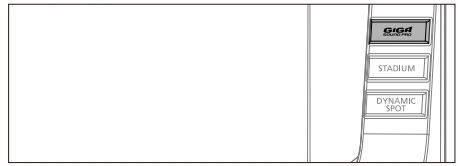
1. Press the **DYNAMIC SPOT** button on the main unit.
   Each time you press this button, the mode will switch as following:
   DYNAMIC.S → OFF

GIGA SOUND

The product is equipped with the GIGA SOUND function.The GIGA SOUND function amplifies bass and improves high key or bass twice as much for you to appreciate powerful real sound.

1. Press the **GIGA SOUND PRO** button on the main unit or press and hold the **SOUND** button on the remote control.
   Each time you press this button, the sound will switch as following:
   GIGA SOUND → GIGA LOUD → GIGA EXPLO → OFF
2. To cancel this function, press this button again, “OFF” is displayed for a few seconds.



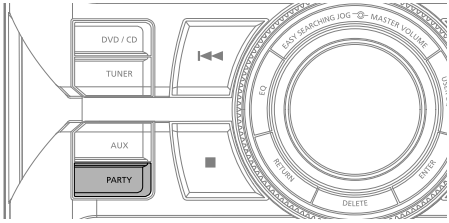


NOTE

- When CD Recording, the GIGA SOUND function can't work and the GIGA SOUND automatically covery to "OFF" mode.
- If you use the Microphone, GIGA SOUND will automatically turn off. Even if you remove the Microphone, it will not turn on.
- This function is not available during playback of a DVD AC-3 disc.

Party Function

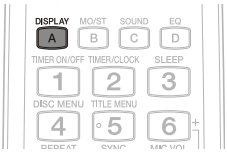
1. Press **PARTY** button:
   Each time you press the PARTY button on the main unit, the party mode will change as following:
   PARTY 1 → PARTY 2 → PARTY 3 → OFF



Display Function

You can view all functions available on the display, adjust the brightness of the display and select the Display/LED either on or off.

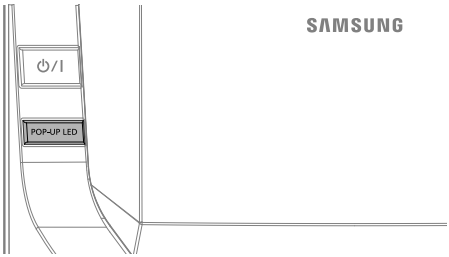
1. Each time you press and hold the **DISPLAY** button on the remote control, the display mode will change as following:
   - **The Demo function**
     All functions available on the system appear on the front panel display.
   - **The Dimmer function**
     The Dimmer function is selected and the display darkens.
   - **LED OFF**
     The LED is turned off while the dimmer function is working.
   - **Clock ON**
     The Clock you set is displayed.
   - **LED/Display ON**
     All Display and LED are turned on.



POP-UP LED Function(MX-D870D only)

You can adjust the LED mode.

1. Each time you press the **POP-UP LED** button on the main unit, the LED mode will change as following:
   - **LED ON**
     The LED is turned on.
   - **LED OFF**
     The LED is turned off.

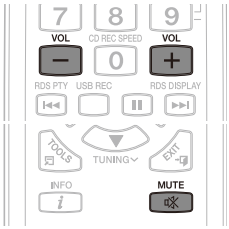


Basic Functions

Mute Function

This is useful when answering a doorbell or telephone call.

1. Press **MUTE** button:
   - ' MUTE ' appears in the display.
   - To switch the sound back on, press the **MUTE** button again or the **VOL-, +** button.

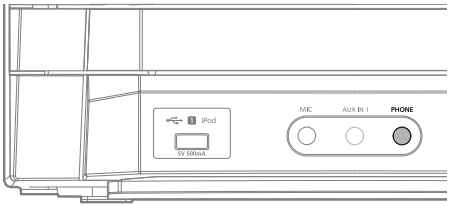


Connecting Headphones

You can connect a set of headphones to your mini-compact system so that you can listen to music or radio programme without disturbing other people in the room. The headphones must have a 3.5ø jack or an appropriate adapter.

1. Connect the headphones to the **PHONE** jack on the main unit.

   Result: The speakers are no longer used to output the sound.
   - Prolonged use of headphones at a high volume may damage your hearing.
   - If you use the headphones, GIGA SOUND will automatically turn off. Even if you remove the headphones, it will not turn on.



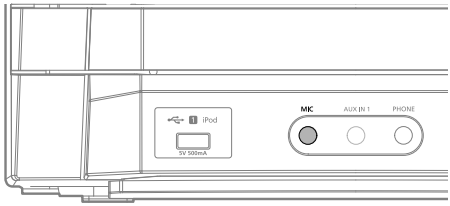
Connecting the Microphone

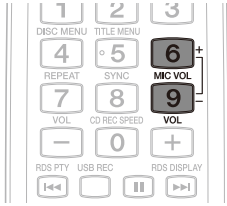
You can also connect a microphone to sing along with your favorite CDs.

1. Plug a microphone with a 3.5ø MIC jack into the MIC terminal.
   - Press and hold the **MIC VOL +,-** button on the remote control to adjust the Microphone Volume.

NOTE

- If you use the Microphone, GIGA SOUND will automatically turn off. Even if you remove the Microphone, it will not turn on.
- If you hear strange noises (squealing or howling) while using the microphone, turning the Volume Knob on the main unit or the speaker volume is also effective.
- This Microphone function is available only when using the DVD/CD or USB function.





Listening to Radio

Using buttons on the Remote Control

1. Press the **FUNCTION** button to select **TUNER** band.
2. Press the **TUNER** button again to select **FM or AM** in the TUNER mode.
3. Tune in to the desired station.
   - **Automatic Tuning 1** : Press the **STOP** button to select PRESET and then press **TUNING** (∧ ∨) buttons to select the preset station.
   - **Automatic Tuning 2** : Press the **STOP** button to select MANUAL and then press and hold the **TUNING** (∧ ∨) button to automatically search for active broadcasting stations.
   - **Manual Tuning** : Press the **STOP** button to select MANUAL and then briefly press the **TUNING** (∧ ∨) button to increase or decrease the frequency incrementally.

Using buttons on the product

1. Press the **TUNER** button to select **FM** band.
2. Select a broadcast station.
   - **Automatic Tuning 1** : Press the **STOP** (■) button to select **PRESET** and then press the ⏮ ⏭ buttons to select the preset station.
   - **Automatic Tuning 2** : Press the **STOP** (■) button to select **MANUAL** and then press and hold the ⏮ ⏭ buttons to automatically search the band.
   - **Manual Tuning** : Press the **STOP** (■) button to select **MANUAL** and then press the ⏮ ⏭ buttons to tune in to a lower or higher frequency.

Setting Mono/Stereo

Press the **MO/ST** button.

- Each time the button is pressed, the sound switches between **STEREO** and **MONO**.
- In a poor reception area, select **MONO** for a clear, interference-free broadcast.

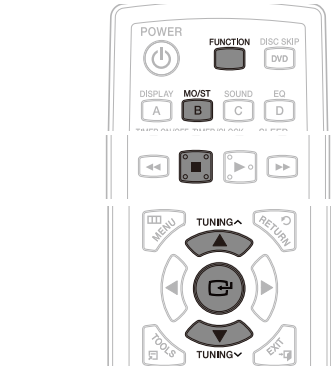
NOTE

- This applies only when listening to an FM station.

Presetting Stations

Example : Presetting FM 89.10 in the memory

1. Press the **FUNCTION** button to select **TUNER**.
2. Press the **TUNER** button again to select **FM or AM** in the TUNER mode.
3. Press the **STOP** (■) button on the front panel to select <MANUAL> mode.
4. Press the **TUNING** (∧ ∨) button to select <89.10>.
5. Press the **ENTER** button.
   - Number flashes on the display.
6. Press the ⏮ ⏭ buttons on the front panel to select preset number.
   - You can select between 1 and 15 presets.
7. Press the **ENTER** button again.
   - Press the **ENTER** button before number disappears from the display.
   - Number disappears from the display and the station is stored in memory.
8. To preset another station, repeat steps 2 to 6.
   - To tune in to a preset station, press the **TUNING** (∧ ∨) buttons on the remote control to select a channel.



Basic Functions

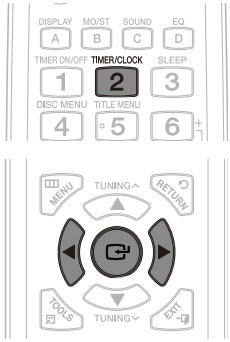
Setting the Clock

For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.

1. Switch the system on by pressing the **POWER** (⏻/I) button.
2. Press and hold **TIMER/CLOCK** button and then press the **ENTER** button.
   Result: "CLOCK" is displayed.
3. Press ENTER.
   Result: The hour flashes.
   - Decrease the hours: ◄
   - Increase the hours: ►
4. When the correct hour is displayed, press ENTER.
   Result: The minutes flashes.
   - Decrease the minutes: ◄
   - Increase the minutes: ►
5. When the correct minute is displayed, press ENTER.
   Result: "TIMER" appears in the display.
   - The current time is now set.

NOTE

- You can display the time, even when you are using another function, by pressing and hold the **TIMER/CLOCK** button once.
- You can also use ⏮ or ⏭ on the front panel instead of buttons in step 3,4.



Timer Function

The timer enables you to switch the system on or off at specific times automatically.

- Before setting the timer, check that the current time is correct.
- For each step, you have a few seconds to set the required options. If you exceed this time, you must start again.
- If you no longer want the system to be switched on or off automatically, you must cancel the timer.

Example: You wish to wake up to music every morning.

1. Switch the system on by pressing the **POWER** (⏻/I) button.
2. Press and hold the **TIMER/CLOCK** button and then press ◄ or ► buttons until **TIMER** is displayed.
3. Press the **ENTER (⏎)** button.
   Result: **ON TIME** is displayed for a few seconds, you can set the timer switch-on time.
4. Set the timer switch-on time.
   a Press the ◄ or ► button.
   b Press the **ENTER (⏎)** button.
   Result: The minutes flash.
   c Press the ◄ or ► button.
   d Press the **ENTER (⏎)** button.
   Result: **OFF TIME** is displayed for a few seconds, you can now set the timer switch-off time.
5. Set the timer switch-off time.
   a Press the ◄ or ► button.
   b Press the **ENTER (⏎)** button.
   Result: The minutes flash.
   c Press the ◄ or ► button.
   d Press the **ENTER (⏎)** button.
   Result: **VOL XX** is displayed, where **XX** corresponds to the volume already set.
6. Press ◄ or ► button to adjust the volume level and press the **ENTER (⏎)** button.
   Result: The source to be selected is displayed.
7. Press the ◄ or ► button to select the desired source to be played when the system switches on.
   - FM/AM (radio) : **a** Press the **ENTER (⏎)** button.
     b Select a preset station by press the ◄ or ► button.
   - DVD/CD (compact disc): Load one or more compact discs.
   - USB : Connect the USB device.

8. Press the **ENTER ( )** button.

   Result: CHECK REC (Do you want to record?) is displayed.

9. Press the **ENTER ( )** button.

   Result: RECORD N is displayed, you can press the ◄ or ► button to select the RECORD Y or RECORD N, and then press ENTER button.

   1). If you select the RECORD N, it will cancel tuner timing recording even if you have already set the tuner timing recording.

   2). If you select the RECORD Y, you can set the tuner timing recording.

   a. Press the **ENTER ( )** button.

      Result: **ON** is displayed for a few seconds, you can set the tuner timing recording switch-on time.

   b. Press the **ENTER ( )** button.

      Result: **OFF** is displayed for a few seconds, you can set the tuner timing recording switch-off time.

NOTE

- The maximal tuner timing recording time is 5 hours.
- If the timer switch on and off times are identical, the word **ERROR** is displayed.
- If there is no disc or usb, when you select the "DVD/CD, USB, it will automatically change to "TUNER".
- If the switch-on or -off time is the same as the timing recording time, only the switch-on or -off time is effective, and the timing recording time is not applied.

Cancelling the Timer

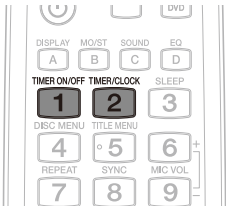
After having set the timer, it will start automatically as shown by the TIMER indication on the display. If you no longer wish to use the timer, you can cancel it.

1. To cancel the timer, press and hold TIMER ON/OFF once.

   Result: REC is no longer displayed.

2. To resume the timer, press and hold TIMER ON/OFF again.

   Result: REC is displayed again.



Sleep Timer Function

You can set the time that the DVD player will shut itself off.

1. Press and hold **SLEEP** button:
   - Result: The playback starts and the following indications are displayed: **SLEEP 90 MIN**

2. Press and hold the **SLEEP** button once or more times to indicate how long the system should continue playing before it switches off:

   SLEEP 90 MIN → SLEEP 60 MIN → SLEEP 45 MIN → SLEEP 30 MIN → SLEEP 15 MIN → SLEEP OFF

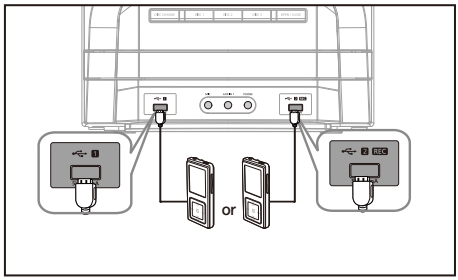
   At any time, you can:
   - check the remaining time by pressing and holding the **SLEEP** button.
   - Change the remaining time by repeating steps 1 and 2.

3. To cancel the sleep timer, press and hold **SLEEP** button until SLEEP OFF appears on the display.

USB Function

Playing Media Files using the USB Host Feature

You can enjoy media files such as pictures, movies and music saved on an MP3 player, USB memory stick or digital camera in high quality video with 2.0 channel sound by connecting the storage device to the USB port of the product.



1. Connect the external USB storage device to the USB jack 1 or the USB jack 2 of the main unit.
2. Select the USB mode by pressing the USB1 or USB 2 button on the main unit.
   - You can select USB1 or USB2 by pressing the FUNCTION button on the remote control.
3. Press the ◄► buttons to select **Videos**, **Music** or **Photo**.
   - Select a file to play.

Safe USB Removal

To prevent damage to the memory stored in the USB device, perform safe removal before disconnecting the USB cable.

- Press and hold the **YELLOW(C)** button.
  - **REMOVE** will appear on the display.
- Remove the USB cable.

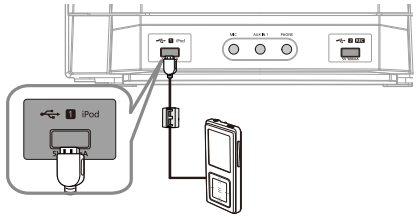
NOTE

- Remove the USB cable from the USB port slowly. Otherwise, it may cause damage to the USB port.

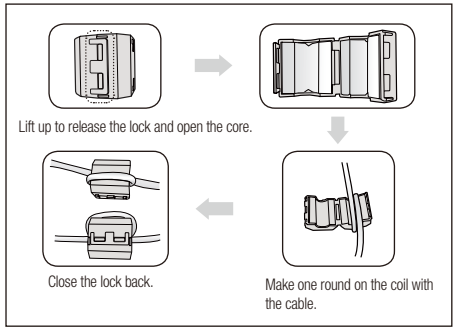
Attaching the toroidal ferrite core to the USB cable (optional)

If you attach a toroidal ferrite core to the USB cable, it will help to prevent RF interference from radio signals.

1. Pull the fixing tab of the toroidal ferrite core to open it.
2. Attach the toroidal ferrite core to the USB cable as the figure shows and press it until it clicks.

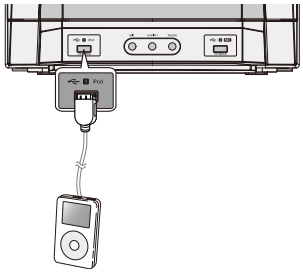


Installing Toroidal ferrite to USB cable



Using an iPod (optional)

If the system is connected to iPod using the provided USB cable, you can play music in iPod using the system.



Listening to Music (REMOTE IPOD mode)

You can play music files stored in the iPod by connecting it to the product.

1. Connect iPod using the USB cable to the front **USB 1 iPod** port.
   - Your iPod is automatically turned on.
2. You should press the **USB 1** button to select the REMOTE IPOD mode.
   - The first track of the first directory plays automatically.
   - You can use the remote control or main unit to control simple playback functions such as **PLAY**, **PAUSE**, **STOP**, **I◀◀**, **▶▶I**, **◀◀**, **▶▶** and **REPEAT**.

REMOTE IPOD	No video will be displayed on the TV. You can just adjust the volume using the remote control.

NOTE

- Adjust the volume to a moderate level before you connect your iPod and product.
- When the product is powered on and you connect an iPod, the product will charge your iPod's battery.

iPod Music categories

File information including the artist name, album name, music title and genre will be displayed according to the ID3 Tag information on the appropriate music file.

Now Playing	Plays a recently played file or moves to the playback screen of the current file.
Artist	To play by artist.
Generic	To play by genre.
Composers	To play by composer.
Playlist	To play by Playlist.
Album	To play by album.
Songs	To play in numeric or alphabetical order

NOTE

- The category list may differ, depending on the iPod model.
- What is an ID3 Tag?
  This is what is attached to an MP3 to carry information relevant to the file such as the title, artist, album, year, genre and a comment field.

iPod models that can be used with this product

- iPod touch (4rd generation)
- iPod touch (3rd generation)
- iPod touch (2nd generation)
- iPod touch (1st generation)

- iPod classic
- iPod with video
- iPod with dock connector
- iPod with Click Wheel

- iPod nano (5th generation)
- iPod nano (4th generation)
- iPod nano (3rd generation)
- iPod nano (2nd generation)
- iPod nano (1st generation)

- iPhone 3GS
- iPhone 3G
- iPhone
- iPhone 4

NOTE

- "Made for iPod" means that an electronic accessory has been designed to connect specifically to iPod and has been certified by the developer to meet Apple performance standards.
- Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards.
- The volume control may not operated normally with iPod models not listed above. If you have a problem with any of the models listed above, please update the software of the iPod to the lastest version.
- Depending on the software version of the iPod, control problems may occur. This is not a malfunction of this product.
- Depending on the software version or the type of the iPod, some operations may differ. Install the latest iPod software. (recommended)
- Playback of applications' contents through the product may not be guaranteed. We recommend playing contents downloaded on the iPod.
- If you have a problem using iPod, please visit www.apple.com/support/ipod

Recording Function

You can record sound of the CD, the Radio Broadcasting or sound from the external source into the USB storage device.

1. Switch the system on by pressing the **POWER** (⏻/I) button.
2. Connect the external USB storage device you want to record to the USB jack 2 (2 REC) of the main unit
3. Play a Disc, or adjust the Radio frequency or connect the external source to the main unit.

   CD (See page 21)
   - Press the DVD/CD button on the main unit to select the CD function.
   - Press the **OPEN/CLOSE** button to open the Compact Disc Compartment.
   - Insert a CD and press the **OPEN/CLOSE** button to close the Compact Disc Compartment.
   - Use the CD selection (⏮ or ⏭) button to select the desired song.

   Tuner (See page 31)
   - Press the TUNER button on the main unit to select the Radio function.
   - Adjust the Radio frequency you want to record.

   External Source (See page 15)
   - Connect an External Component/MP3 player to the main unit.
   - Press the **AUX** button to select the AUX input.
   - Play a song from the external device.
4. Press the **USB 2 REC** button on the main unit or press the **USB REC** on the remote control to start recording.

   CD
   - "TRACK RECORDING" is displayed and CD recording starts.
   - Press and hold the **USB 2 REC** button on the main or press and hold the **USB REC** button on the remote control to start recording the all tracks of Disc.

     "RECORDING" is displayed.
   - If you record the MP3 CD, the file is copied into the USB device totally.

     "CHECK FILE" → "COPY" → "COMPLETE" is displayed. When the recording is done, "STOP" will be displayed.
   - If there is the same file name, "FILE EXISTED" is displayed, and the function is canceled.

Tuner/External Source

- "RECORDING" is displayed.

5. To stop recording, press the STOP (■) button and then automatically create and save as the MP3 file.
   - After the recording, a directory named "RECORDING"(CD), "CD COPY"(MP3 CD/USB), "TUNER RECORDING" or "AUX RECORDING", will be created in your device.

NOTE

- Do not disconnect the USB or the AC Cord during the recording as this may cause file damage.
- If you disconnected USB device during the recording, the main unit will be power off and you may not delete the recorded file, In this case, please connect the USB device to the PC and backup the USB data on the PC first and then format the USB device.
- When the USB memory is not enough, it will be displayed "NOT ENOUGH MEMORY".
- The recording works if the USB device or the HDD is formatted in the FAT file system. (The NTFS file system is not supported.)
- When you use CD high speed search function, the CD recording can't work.
- Sometimes, the recording time may be longer with some USB devices. (See page 8)
- When the CD recording, the EQ and GIGA SOUND functions can not work and automatically change to OFF.
- When the CD recording, the REPEAT function can not work and automatically switches to OFF.
- If you use the MIC function during the CD recording, the voice from the microphone will be recorded.
- You can not record the radio when searching or no available frequencies in the Tuner mode.
- Note that setting the input level too loud when recording music from an external device through the AUX and USB channel may cause noise into the recording. In that case, lower the external device's volume level.

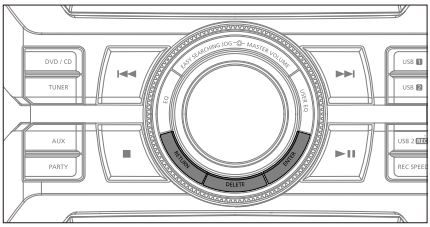
To delete a file

You can delete a file on your USB device.

1. Play a file you want to delete.
2. Press the **DELETE** button on the main unit.
3. Press [◄►] on the remote control to select YES.
   To cancel the selection, press the **RETURN** button on the main unit.
4. Press the ENTER button.
   The selected file will be deleted.

NOTE

The NTFS file system is not supported.



Recording Speed

1. Each time you press and hold the **CD REC SPEED** button on the remote control or press the **REC SPEED** button on the main unit, the recording speed will change as following:
   RECORDING x 1 → RECORDING x 3
   - While the Tuner or External Source is recording, the recording speed does not supported.
   - When you select RECORDING x 3, the audio sound will not be output.

Other Information

Troubleshooting

Refer to the chart below when this unit does not function properly. If the problem you are experiencing is not listed below or if the instruction below does not help, turn off the unit, disconnect the power cord, and contact the nearest authorized dealer or Samsung Electronics Service Center.

Symptom	Check/Remedy
I cannot eject the disc.	• Is the power cord plugged securely into the outlet? • Turn off the power and then turn it back on.
Playback does not start.	• Check the region number of the DVD. DVD discs purchased from abroad may not be playable. • CD-ROMs and DVD-ROMs cannot be played on this product. • Make sure that the rating level is correct.
Playback does not start immediately when the Play/Pause button is pressed.	• Are you using a deformed disc or a disc with scratches on the surface? • Wipe the disc clean.
Sound is not produced.	• No sound is heard during fast playback, slow playback, and step motion playback. • Are the speakers connected properly? Is the speaker setup correctly customized? • Is the disc severely damaged?
The remote control does not work.	• Is the remote control being operated within its operation range of angle and distance? • Are the batteries drained?
• Disc is rotating but no picture is produced. **• Picture quality is poor and picture is shaking.**	• Is the TV power on? • Are the video cables connected properly? • Is the disc dirty or damaged? • A poorly manufactured disc may not be playable.
Audio language and subtitles do not work.	• Audio language and subtitles will not work if the disc does not contain them.
The menu screen does not appear even when the menu function is selected.	• Are you using a disc that does not contain menus?
Aspect ratio cannot be changed.	• You can play 16:9 DVDs in 16:9 WIDE mode, 4:3 LETTER BOX mode, or 4:3 PAN SCAN mode, but 4:3 DVDs can be seen in 4:3 ratio only. Refer to the DVD disc jacket and then select the appropriate function.

Other Information

Symptom	Check/Remedy
• The product is not working. (Example: The power goes out or the front panel key doesn't work or a strange noise is heard.) • The product is not working normally.	• While "NO DISC" message appears on the display of the product, press and hold the **STOP** (■) button on the main unit for longer than 5 seconds with no disc (reset function). **Using the RESET function will erase all stored settings. Do not use this unless necessary.**
The rating level password has been forgotten.	• While "NO DISC" message appears on the display of the product, press and hold the main unit's **STOP** (■) button for longer than 5 seconds. "**INITIAL**" appears on the display and all settings will return to the default values. And then press the **POWER** button. **Using the RESET function will erase all stored settings. Do not use this unless necessary.**
Can't receive radio broadcast.	• Is the antenna connected properly? • If the antenna's input signal is weak, install an external FM antenna in an area with good reception.

Language code list

Enter the appropriate code number for OTHERS of Disc Menu, Audio and Subtitle. (See page 20).

Code	Language	Code	Language	Code	Language	Code	Language	Code	Language	Code	Language
1027	Afar	1142	Greek	1239	Interlingue	1345	Malagasy	1482	Kirundi	1527	Tajik
1028	Abkhazian	1144	English	1245	Inupiak	1347	Maori	1483	Romanian	1528	Thai
1032	Afrikaans	1145	Esperanto	1248	Indonesian	1349	Macedonian	1489	Russian	1529	Tigrinya
1039	Amharic	1149	Spanish	1253	Icelandic	1350	Malayalam	1491	Kinyarwanda	1531	Turkmen
1044	Arabic	1150	Estonian	1254	Italian	1352	Mongolian	1495	Sanskrit	1532	Tagalog
1045	Assamese	1151	Basque	1257	Hebrew	1353	Moldavian	1498	Sindhi	1534	Setswana
1051	Aymara	1157	Persian	1261	Japanese	1356	Marathi	1501	Sangro	1535	Tonga
1052	Azerbaijani	1165	Finnish	1269	Yiddish	1357	Malay	1502	Serbo-Croatian	1538	Turkish
1053	Bashkir	1166	Fiji	1283	Javanese	1358	Maltese	1503	Singhalese	1539	Tsonga
1057	Byelorussian	1171	Faeroese	1287	Georgian	1363	Burmese	1505	Slovak	1540	Tatar
1059	Bulgarian	1174	French	1297	Kazakh	1365	Nauru	1506	Slovenian	1543	Twi
1060	Bihari	1181	Frisian	1298	Greenlandic	1369	Nepali	1507	Samoan	1557	Ukrainian
1069	Bislama	1183	Irish	1299	Cambodian	1376	Dutch	1508	Shona	1564	Urdu
1066	Bengali; Bangla	1186	Scots Gaelic	1300	Canada	1379	Norwegian	1509	Somali	1572	Uzbek
1067	Tibetan	1194	Galician	1301	Korean	1393	Occitan	1511	Albanian	1581	Vietnamese
1070	Breton	1196	Guarani	1305	Kashmiri	1403	(Afan) Oromo	1512	Serbian	1587	Volapuk
1079	Catalan	1203	Gujarati	1307	Kurdish	1408	Oriya	1513	Siswati	1613	Wolof
1093	Corsican	1209	Hausa	1311	Kirghiz	1417	Punjabi	1514	Sesotho	1632	Xhosa
1097	Czech	1217	Hindi	1313	Latin	1428	Polish	1515	Sundanese	1665	Yoruba
1103	Welsh	1226	Croatian	1326	Lingala	1435	Pashto, Pushto	1516	Swedish	1684	Chinese
1105	Danish	1229	Hungarian	1327	Laothian	1436	Portuguese	1517	Swahili	1697	Zulu
1109	German	1233	Armenian	1332	Lithuanian	1463	Quechua	1521	Tamil		
1130	Bhutani	1235	Interlingua	1334	Latvian, Lettish	1481	Rhaeto-Romance	1525	Tegulu		

Other Information

Specifications

	Weight (MX-D830D)	5.8 Kg	
General	Weight (MX-D870D)	6.2 Kg	
	Dimensions (MX-D830D)	294 (W) x 379.8 (H) x 436.8 (D) mm	
	Dimensions (MX-D870D)	294 (W) x 398.8 (H) x 436.8 (D) mm	
	Operating Temperature Range	+5°C~+35°C	
	Operating Humidity Range	10 % to 75 %	
FM Tuner	Signal/noise ratio	62 dB	
	Usable sensitivity	10 dB	
	Total harmonic distortion	0.4 %	
AM Tuner(Optional)	Signal/noise ratio	40 dB	
	Usable sensitivity	58 dB	
	Total harmonic distortion	1.5 %	
Disc	DVD (Digital Versatile Disc)	Reading Speed : 3.49 ~ 4.06 m/sec.	
		Approx. Play Time (Single Sided, Single Layer Disc) : 135 min.	
	CD : 12 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.	
		Maximum Play Time : 74 min.	
	CD : 8 cm (COMPACT DISC)	Reading Speed : 4.8 ~ 5.6 m/sec.	
		Maximum Play Time : 20 min.	
Video/Audio	Component Video	Y : 1.0 Vp-p (75 Ω load)	
		Pr : 0.70 Vp-p (75 Ω load)	
		Pb : 0.70 Vp-p (75 Ω load)	
Amplifier		MX-D830D- 560 Watts (10% THD)	MX-D830D- 640 Watts (MAX. THD)
	Front speaker output	280W/CH (6 Ω/100Hz)	320W/CH (6 Ω/100Hz)
		MX-D870D- 1,200 Watts (10% THD)	MX-D870D- 1,400 Watts (MAX. THD)
	Front speaker output	270W/CH (6 Ω/100Hz)	300W/CH (6 Ω/100Hz)
	Rear speaker output	130W/CH (12 Ω/15kHz)	150W/CH (12 Ω/15kHz)
	Subwoofer output	200 W/CH (8 Ω/100Hz)	250 W/CH (8 Ω/100Hz)
	Frequency range	20Hz~20KHz	
	S/N Ratio	70dB	
	Channel separation	60dB	
	Input sensitivity	(AUX)800mV	

*: Nominal specification

- Samsung Electronics Co., Ltd reserves the right to change the specifications without notice.
- Weight and dimensions are approximate.
- Design and specifications are subject to change without prior notice.
- For information on the power supply and power consumption, refer to the label attached to the product.

Contact SAMSUNG WORLD WIDE

If you have any questions or comments relating to Samsung products, please contact the SAMSUNG customer care centre.

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